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| Application Number | 10561324 |
| Filing Date | 2006-04-19 |
| First Named Inventor | Brian Krainack |
| Art Unit | 1635 |
| Examiner Name | Tracy Ann Vivlemore |
| Attorney Docket Number | ISIS-5799 |

U.S. PATENTS

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| /T.V./ | 1 | 5623065 | A | 1997-04-22 | Cook et al. | |
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| /T.V./ | 1 | 92/03452 | WO | A1 | 1992-03-05 | Isis Pharmaceuticals, Inc. | | <input type="checkbox"/> |
| ↓ | 2 | 98/16550 | WO | A1 | 1998-04-23 | Isis Innovation Limited | | <input type="checkbox"/> |
| | 3 | 97/46570 | WO | A1 | 1997-12-11 | Isis Pharmaceuticals, Inc. | | <input type="checkbox"/> |
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| /T.V./ | 1 | Altmann, K. -H. et al., "Second generation antisense oligonucleotides - inhibition of PKC-alpha and c-RAF kinase expression by chimeric oligonucleotides incorporating 6' -substituted carbocyclic nucleosides and 2' -O-ethylene glycol substituted ribonucleosides," Nucleosides & Nucleotides, 1997, 16(7-9), 917-926 | <input type="checkbox"/> |

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| /T.V./ | 2 | Chun-Nam Lok et al., "Potent gene-specific inhibitory properties of mixed backbone antisense oligonucleotides comprised of 2'-deoxy-2'-fluoro-D-arabinose and 2'-deoxyribose nucleotides," Biochemistry, 2002, 41, 3457-3467 | <input type="checkbox"/> |
| | 3 | Min, K. -L. et al., "Oligonucleotides comprised of alternating 2'-deoxy-2'-fluoro-beta-D-arabinonucleosides and D-2'-deoxyribonucleosides (2'F-ANA/DNA 'Altimers') induce efficient RNA cleavage mediated by RNase H," Bioorganic & Medicinal Chemistry Letters, September 2002, 12, 2651-2654 | <input type="checkbox"/> |
| | 4 | Wang, J. et al., "Cyclohexene nucleic acids (CeNA): serum stable oligonucleotides that activate RNase H and increase duplex stability with complementary RNA," J Am. Chem. Soc., 2000, 122, 8595-8602 | <input type="checkbox"/> |
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| | 7 | Schoning, K. -U. et al., "Chemical etiology of nucleic structure: the alpha-Threofuranosyl-(3' ->2') oligonucleotide system," Science, Nov. 17, 2000, 290, 1347-1351 | <input type="checkbox"/> |
| | 8 | Wu, X. et al., "Base-pairing systems related to TNA: alpha-Threofuranosyl oligonucleotides containing phosphoramidate linkages," Organic Letters, 16 March 2002, 4(8), 1279-1282 | <input type="checkbox"/> |

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